



# SPYRUS, Inc.

## Briefing to Federal PKI Technical Working Group

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Al Ferguson

Senior Systems Engineer/Program Manager

[aferguson@SPYRUS.com](mailto:aferguson@SPYRUS.com)



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# SPYRUS and The BCA

- Provided
  - Systems
  - Software
    - SPEX & Developers Tool Kit
    - SPYRUS PKI – Modified for BCA
  - Tokens
    - Infrastructure
    - Clients
  - Technical assistance and support



# SPYRUS and the BCA

- SPYRUS PKI
  - Installed at Getronics/Van Dyke
  - Issued certificates and programmed LYNKS tokens for the Armed Forces Root
  - CRLs published to the directory
  - Multiple policy support
  - Modified to add policy mapping in cross certificates





# SPYRUS and the BCA



- SPYRUS PKI (PAA) cross-certified with the Cygnacom Bridge CA
- SPYRUS SPEX/ crypto library, plug-ins and LYNKS privacy cards used for Eudora/Cygnacom client applications





# SPYRUS and the BCA

- Integration and demonstration by
  - Entrust/Cygnacom
  - Getronics

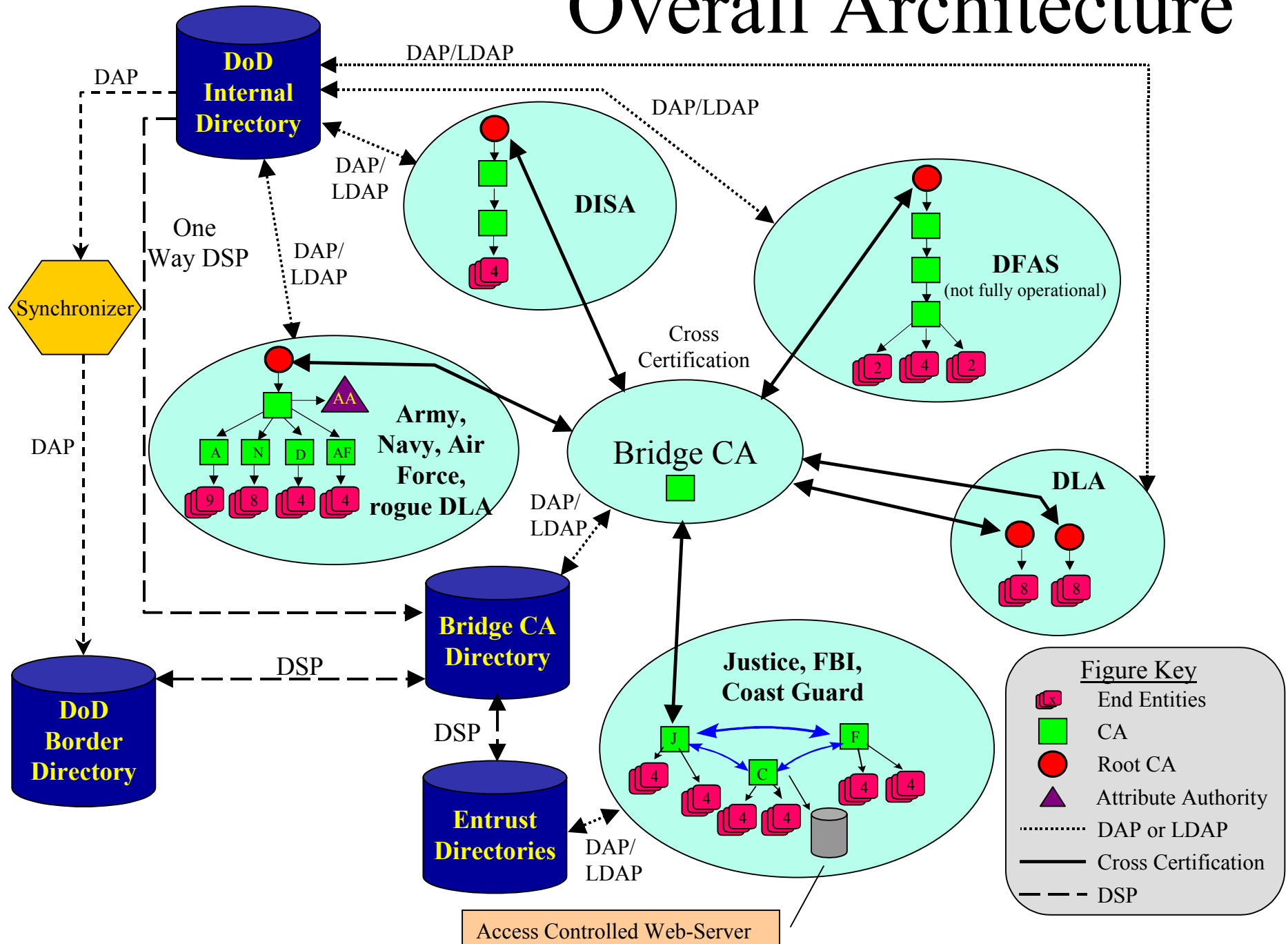


# SPYRUS and the BCA

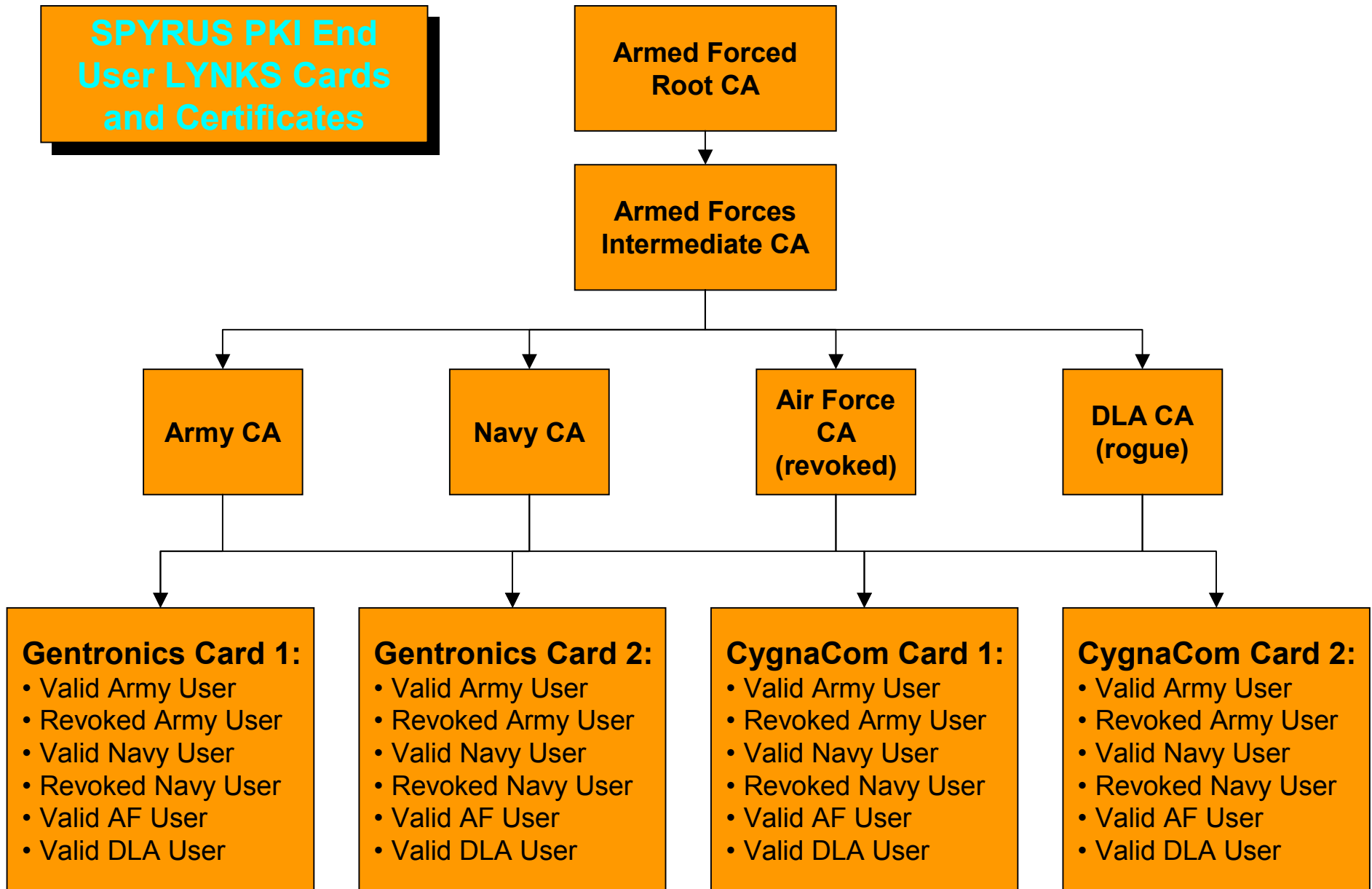
- Working with
  - Baltimore Technologies (PKI)
  - Motorola (PKI)
  - Entegrity (Directory)
  - A&N



# Overall Architecture



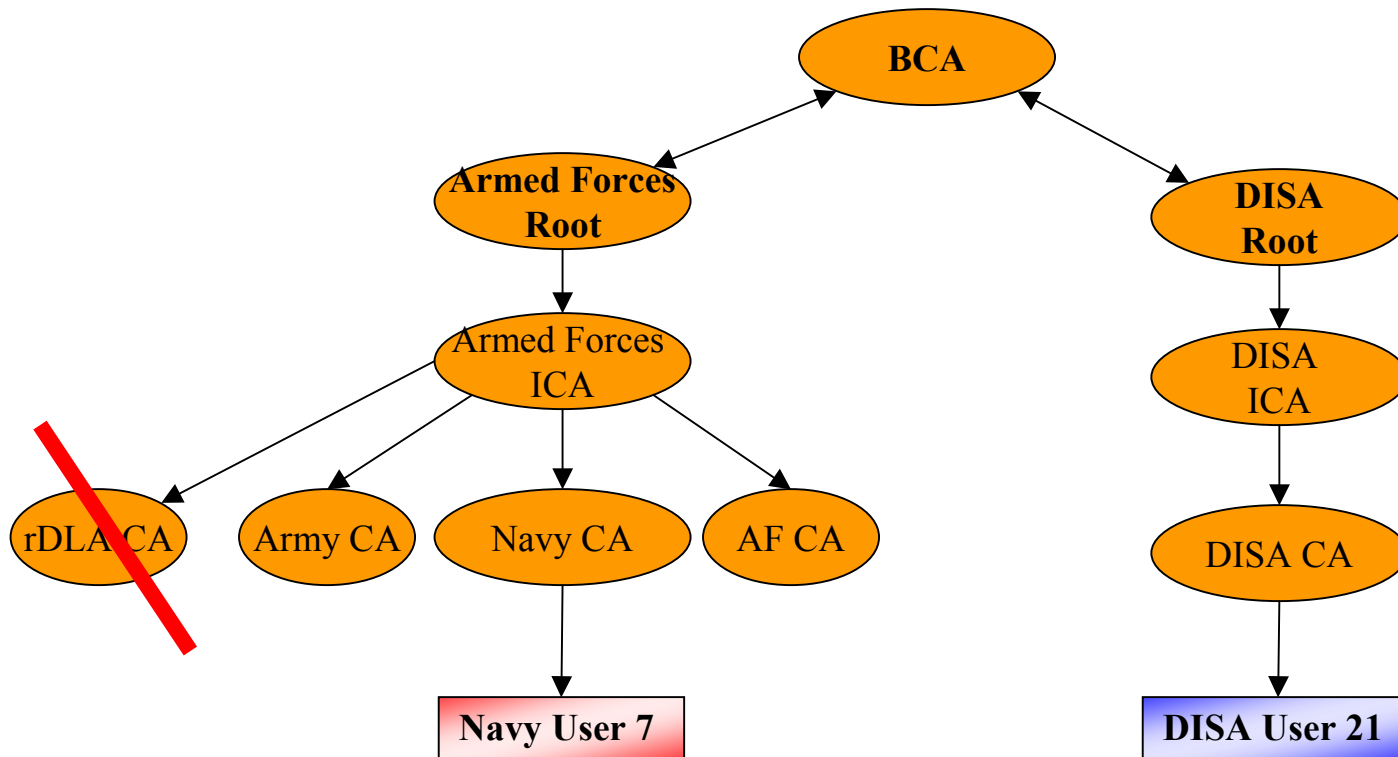
**SPYRUS PKI End  
User LYNKS Cards  
and Certificates**



All Army, Navy & Air Force user certificates assert DoD-Demo3 and DoD-Demo4 policies  
The DLA User Certificates assert the DoD-Demo4 policy.



# SPYRUS and the BCA



# SPYRUS and the BCA Demonstrations

## Eudora / CML

### *Signed*

Valid  
Revoked  
Name Const. Fail  
Policy Fail  
Policy Map Fail

### *Encrypted*

Valid  
Revoked  
Name Const. Fail  
Policy Fail  
Policy Map Fail

## Secure Web Access





# Next

Al Ferguson

410-964-6400

<http://www.SPYRUS.com>



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